



RECTANGULAR POWER CONNECTORS



✓ Active

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TE CONNECTIVITY (TE)

4P VAL-U-LOK R/A HDR V2

[VAL-U-LOK](#) | [VAL-U-LOK](#)

1586041-4

TE Internal Number: 1586041-4

[Always EU RoHS/ELV Compliant](#)

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **9**

Product Drawings

[RIGHT ANGLE HEADER, WITHOUT PEGS VAL-U-LOK\(TM\)](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
English

Catalog Pages/Data Sheets

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

PDF
English

Product Specifications

Product Specification

[VAL-U-LOK Connectors](#)

PDF
English

Application Specification

[VAL-U-LOK Series Headers, Connectors And TPA Accessories](#)

PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

	Housing Type	Plug
	Contact Type	Pin
	Header Type	Shrouded
Configuration Features	Number of Positions	4
	Centerline	4.2 mm [.165 in]
	PCB Mounting Orientation	Right Angle
	Number of Signal Positions	4
	Number of Rows	2
	Row-to-Row Spacing	4.2 mm [.165 in]
	Contact Layout	Inline, Matrix, Square Grid
Electrical Characteristics	Contact Current Rating (A)	9
	Operating Voltage (VAC)	600
Contact Features	Contact Retention	With
	Contact Termination Area Plating Material	Tin
Termination Features	Wire/Cable Size (AWG)	16 – 26
	Wire/Cable Size (mm ²)	.12 – 1.4
	Termination Method to PC Board	Through Hole - Solder
	Termination Post/Tail Length	3.6 mm [.14 in]
Mechanical Attachment	Mating Alignment	With
	Mating Retention	With
	PCB Mount Retention	Without
	Mating Alignment Type	Keyed
	PCB Mount Alignment	Without
	Assembly Integration Feature	Without
	Mating Retention Type	Latch
Housing Features	UL Flammability Rating	UL 94V-2
	Housing Color	Natural
	Housing Material	Nylon
Dimensions	Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 in]
	Width	13 mm [.51 in]

	Height	9.8 mm [.386 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	9.6 mm [.378 in]
	Insulation Diameter (Max) (mm)	2.39
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-40 – 105 °C [-40 – 221 °F]
	Circuit Application	Signal
Identification Marking	Circuit Identification Feature	With
Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	VDE Tested	No
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	208567
	Agency/Standard	CSA, UL
Packaging Features	Packaging Method	Tray, Tray/Box
	Packaging Quantity	400
Other	Selectively Loaded	No
Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

RECTANGULAR POWER CONNECTORS



6P VAL-U-LOK R/A HDR V2
1586041-6

WIRE-TO-BOARD HEADERS & RECEPTACLES



07 MTE HDR SRRA LATCH.100CL LF

RECTANGULAR POWER CONNECTORS











2P VAL-U-LOK R/A HDR V2
1586041-2

RECTANGULAR POWER CONNECTORS



24P VAL-U-LOK R/A HDR V2

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


	PRODUCT - MATING PRODUCTS	
	<div>Connectors - Rectangular Power Connectors</div> <div>AMP-DUAC VAL-U-LOK</div> <div>04P DUAC REC HSG</div> <div>- 106527-4</div> <div>TE INTERNAL NUMBER: 106527-4</div> <div>✓ Active</div>	<div>Always EU RoHS/ELV Compliant</div> <div>✓</div>

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	PRODUCT - MATING PRODUCTS	
	<div>Connectors - Rectangular Power Connectors</div> <div>VAL-U-LOK VAL-U-LOK</div> <div>4P RCPT VAL-U-LOK V2</div> <div>- 794954-4</div> <div>TE INTERNAL NUMBER: 794954-4</div> <div>✓ Active</div>	<div>Always EU RoHS/ELV Compliant</div> <div>✓</div> <div>Product Type Housing</div> <div>Housing Type Receptacle</div> <div>Connector System Wire-to-Board, Wire-to-Wire</div> <div>Applies To Wire/Cable</div> <div>Number of Positions 4</div>